

## PATENT ABSTRACTS OF JAPAN

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## (54) OPERATION CONTROLLER OF FUEL CELL

## (57)Abstract:

PURPOSE: To increase economical efficiency and reliability of operation by arranging a means to control cell voltage in an allowable limit.

CONSTITUTION: A voltage control instruction means 30 sets an control target value  $V_a$  by a cell voltage detecting value  $V_C$  received from a cell voltage detecting means 10. The target to the cell voltage  $V_C$  is set to the allowable upper limit against the voltage of an oxidizing agent electrode to be protected, for example, to 0.8V per unit cell. A cell voltage control means 40 receiving the control target value  $V_a$  from the voltage control instruction means 30 consists of an actual value detecting means comprising current detectors 41, 42, a control circuit 50 and a current control means 60. The cell voltage control means 40 controls the cell voltage  $V_C$  within the target value  $V_a$  set with the voltage control instruction means 30.

